

## CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

**Employer Id :** E80457

**Employer :** Port of Seattle

**Worksite :** SeaTac International Airport

**Street :** 17800 International Blvd S

**Jurisdiction :** City of SeaTac

**Survey Type :** Online

**Survey Date :** 6/4/2013

**Response Rate :** 51%

### Drive Alone & One-Way VMT Rates at this Worksite

### Employees and Survey Response Information

**Drive Alone :** 82.1%

**Reported Total Employees at Worksite:** 765

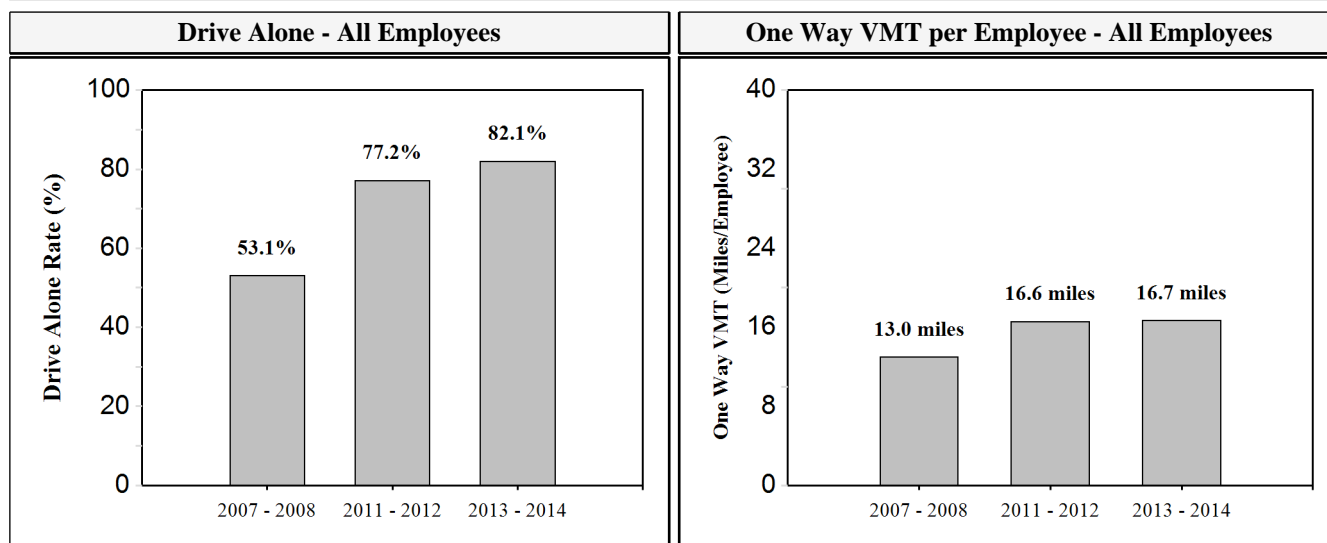
**Surveys Distributed :** 570

**One-Way VMT per employee :** 16.7

**Surveys Returned :** 292

**Surveys Returned by CTR Affected Employees :** 259

**Total Estimated CTR - Affected Employees at Worksite :** 506



### Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	53.1%	52.9%	13.0	13.0
2009 - 2010	71.2%	68.0%	16.8	15.7
2011 - 2012	77.2%	78.4%	16.6	16.5
2013 - 2014	82.1%	82.6%	16.7	16.7
2015 - 2016	N/A	N/A	N/A	N/A
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	54.6%	56.1%	28.5%	28.5%

## Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2007 - 2008	2011 - 2012	2011 - 2012 Without Fill In	2013 - 2014	2013 - 2014 Without Fill In
Drive Alone - All Employees*	53.1%	77.2%	63.0%	82.1%	75.1%
Drive Alone - CTR Affected Employees*	52.9%	78.4%	61.8%	82.6%	75.0%
VMT/Employee - All Employees	13.0	16.6	14.1	16.7	15.5
VMT/Employees - CTR Affected Employees	13.0	16.5	13.7	16.7	15.5

\* Drive alone rate includes one person motorcycles.

## GHG Emissions: Total for Drive Alone, Carpools, Vanpools

### Annual Greenhouse Gas Emissions (Metric Tons CO<sub>2</sub>e) for Roundtrip Commute\*

Value	2007 - 2008	2011 - 2012	2013 - 2014
Emissions for Surveyed Employees	663	942	936
Estimated Emissions for Total Employment	2,219	2,132	2,452

\* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

## Bus Transit Passenger Miles and Rail Transit Passenger Miles\*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2007 - 2008	2011 - 2012	2013 - 2014
Bus Annual Passenger Miles - Estimated for Total Employment	1,104,686	719,752	630,077
Bus Annual Passenger Miles - Surveyed Employees	329,900	318,100	240,500
Ferry Annual Passenger Miles - Estimated for Total Employment	0	171,962	119,204
Ferry Annual Passenger Miles - Surveyed Employees	0	76,000	45,500
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	427,275	532,630	329,055
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	127,600	235,400	125,600

\* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO<sub>2</sub>e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO<sub>2</sub>e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO<sub>2</sub>e emissions per passenger mile for train/light rail/streetcar.

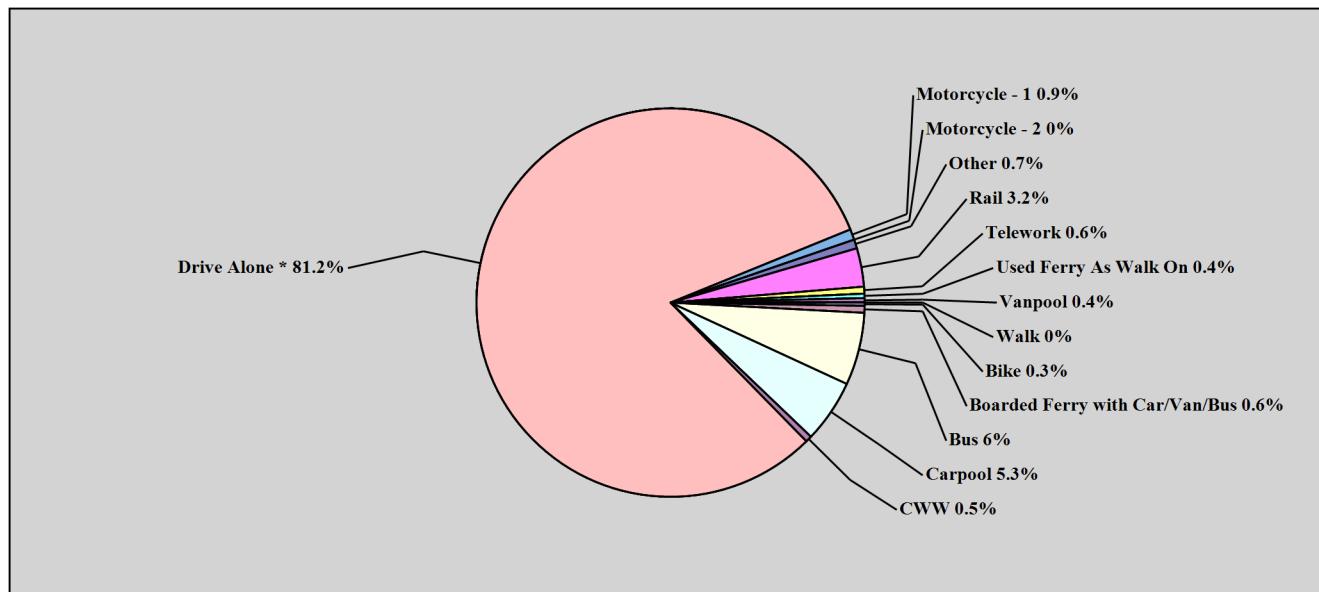
**Q3.**

<b>One way, how many miles do you commute from home to your usual work location?</b>
<b>Average one-way distance home to work: 19.6 miles</b>

## Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



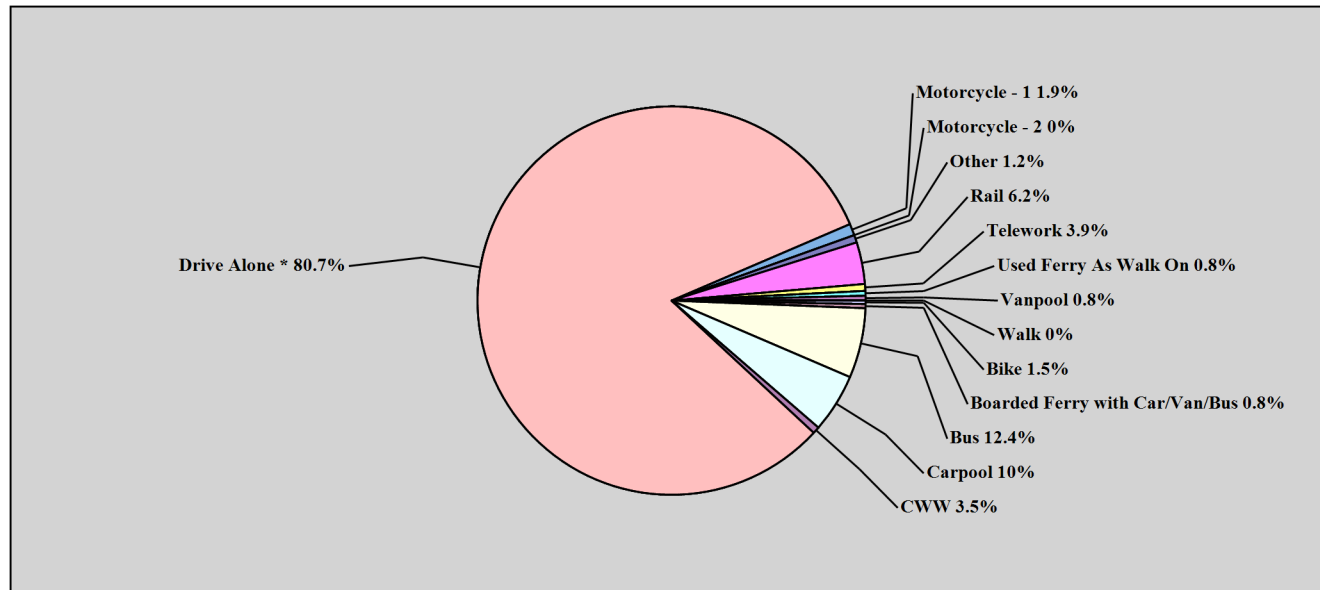
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	1,546	81.2%	76.4%	235	80.5%	72.8%
Carpool	100	5.3%	6.3%	29	9.9%	13.9%
Vanpool	7	0.4%	1.2%	2	0.7%	2.2%
Motorcycle - 1	17	0.9%	0.8%	5	1.7%	1.9%
Motorcycle - 2	0	0.0%	0.5%	0	0.0%	1.3%
Bus	115	6.0%	8.0%	35	12.0%	16.5%
Rail	61	3.2%	3.8%	16	5.5%	7.6%
Bike	5	0.3%	0.1%	4	1.4%	0.6%
Walk	0	0.0%	0.5%	0	0.0%	0.9%
Telework	11	0.6%	0.2%	11	3.8%	1.6%
CWW	10	0.5%	0.7%	9	3.1%	5.4%
Boarded Ferry with Car/Van/Bus	11	0.6%	0.2%	3	1.0%	0.3%
Used Ferry As Walk On	7	0.4%	0.7%	2	0.7%	1.3%
Other	14	0.7%	0.7%	5	1.7%	1.3%

\* Drive alone mode includes fill-in, where applicable.

## Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	1,432	81.6%	77.7%	209	80.7%	73.5%
Carpool	86	4.9%	6.5%	26	10.0%	15.8%
Vanpool	7	0.4%	1.4%	2	0.8%	2.8%
Motorcycle - 1	17	1.0%	0.7%	5	1.9%	1.6%
Motorcycle - 2	0	0.0%	0.2%	0	0.0%	0.8%
Bus	102	5.8%	7.0%	32	12.4%	16.6%
Rail	61	3.5%	3.6%	16	6.2%	8.3%
Bike	5	0.3%	0.1%	4	1.5%	0.8%
Walk	0	0.0%	0.3%	0	0.0%	0.8%
Telework	10	0.6%	0.2%	10	3.9%	2.0%
CWW	10	0.6%	0.7%	9	3.5%	5.9%
Boarded Ferry with Car/Van/Bus	6	0.3%	0.0%	2	0.8%	0.0%
Used Ferry As Walk On	7	0.4%	0.8%	2	0.8%	1.6%
Other	11	0.6%	0.8%	3	1.2%	1.6%

\* Drive alone mode includes fill-in, where applicable.

### Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	187	64%	292	100%
1 Days	27	9%	105	36%
2 Days	15	5%	78	27%
3 Days	14	5%	63	22%
4 Days	10	3%	49	17%
5 Days	34	12%	39	13%
6 or More Days	5	2%	5	2%

### Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non-Drive Alone At Least 3 Days / week	
5 days a week	108	54%	29	14.5%	20	10%	12	6%	10	5%	2	1%	0	0%	2	1%	49	24.5%
4 days a week (4/10s)	3	13.6%	14	63.6%	2	9.1%	1	4.5%	0	0%	0	0%	0	0%	0	0%	3	13.6%
3 days a week	0	0%	3	42.9%	0	0%	1	14.3%	0	0%	0	0%	0	0%	0	0%	1	14.3%
9 days in 2 weeks (9/80)	18	43.9%	13	31.7%	1	2.4%	1	2.4%	1	2.4%	0	0%	0	0%	0	0%	5	12.2%
7 days in 2 weeks	1	33.3%	1	33.3%	0	0%	1	33.3%	0	0%	0	0%	0	0%	0	0%	1	33.3%
Other	4	25%	3	18.8%	0	0%	2	12.5%	1	6.3%	0	0%	0	0%	0	0%	3	18.8%

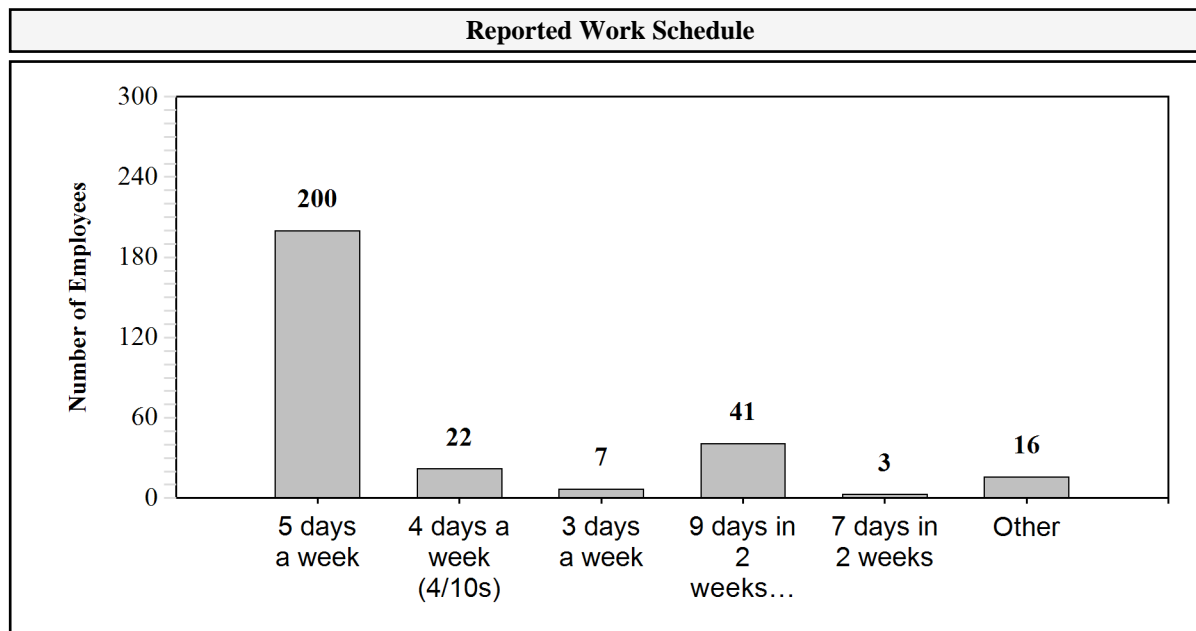
## Count by Occupancy of Carpools, Vanpools, and Motorcycles

**Q.4b** If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	18
2	Motorcycle	0
2	Carpool	78
3	Carpool	21
4	Carpool	1
5	Carpool	0
>5	Carpool	0
<5	Vanpool	4
5	Vanpool	0
6	Vanpool	0
7	Vanpool	0
8	Vanpool	3
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	0

## Reported Work Schedule - All Employees

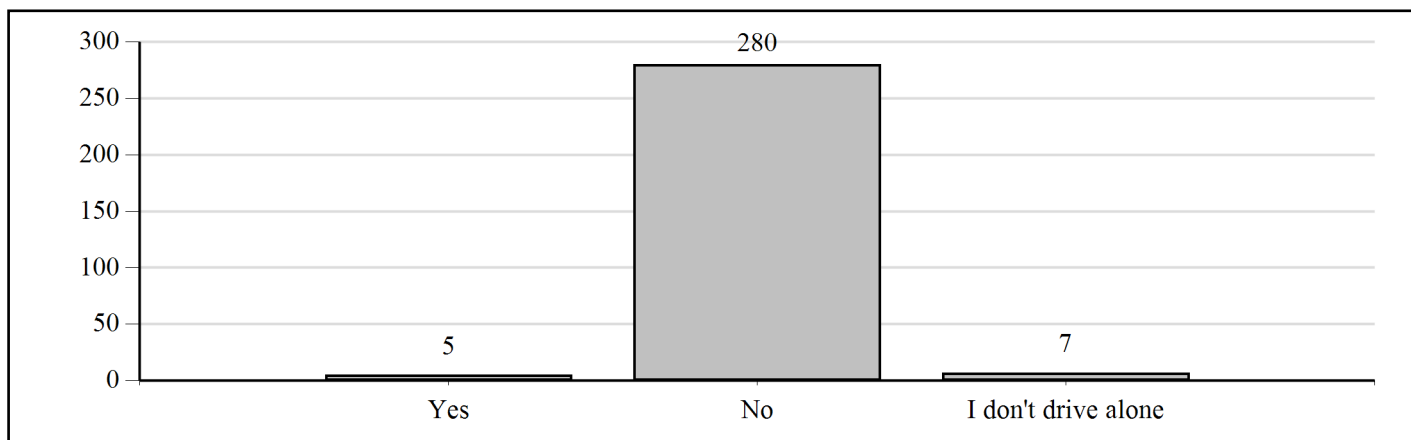
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	200	69.2%
4 days a week (4/10s)	22	7.6%
3 days a week	7	2.4%
9 days in 2 weeks (9/80)	41	14.2%
7 days in 2 weeks	3	1%
Other	16	5.5%

## Parking and Telework

**Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)**



**Q.10: How many days do you typically telework?**

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	1	0.3%
I don't telework	201	68.8%
Occasionally, on an as-needed basis	70	24.0%
1-2 days/month	14	4.8%
1 day/week	5	1.7%
2 days/week	1	0.3%
3 days/week	0	0.0%



## Reasons for driving alone to work/not driving alone to work

**Q11. When you do not drive alone to work, what are the three most important reasons?**

Question Text	# of Responses	% of Responses
To save money	123	20.9%
Free or subsidized bus, train, vanpool pass or fare benefit	103	17.5%
Environmental and community benefits	68	11.6%
Personal health or well-being	60	10.2%
To save time using the HOV lane	52	8.8%
Other	49	8.3%
I have the option of teleworking	46	7.8%
Financial incentives for carpooling, bicycling or walking.	44	7.5%
Emergency ride home is provided	18	3.1%
Driving myself is not an option	17	2.9%
Preferred/reserved carpool/vanpool parking is provided	6	1.0%
Cost of parking or lack of parking	2	0.3%
I receive a financial incentive for giving up my parking space	0	0.0%

**Q12. When you drive alone to work, what are the three most important reasons?**

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	190	27.1%
I like the convenience of having my car	156	22.2%
Family care or similar obligations	129	18.4%
Other	85	12.1%
My commute distance is too short	62	8.8%
Bicycling or walking isn't safe	43	6.1%
My job requires me to use my car for work	23	3.3%
I need more information on alternative modes	13	1.9%
There isn't any secure or covered bicycle parking	1	0.1%

**Employee Transit Use - All Employees**

**Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.**

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	4	0	0	7	0	0	6	0	1	1
2	1	0	1	3	0	0	8	0	0	1
3	2	0	0	3	0	0	3	0	1	1
4	0	0	0	5	0	0	7	0	0	1
5	0	0	0	3	0	0	7	0	0	2
6	0	0	0	1	0	0	5	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	2	0	0	6	0	0	1
9	0	0	0	0	0	0	2	0	0	0
10	0	0	0	2	2	0	6	0	2	0
11 or more	0	0	0	2	0	0	2	0	0	0
# Of Employees using Transit	7	0	1	28	2	0	52	0	4	7
Total One-Way Transit Trips Per Week	12	0	2	133	20	0	301	0	24	28

## Employee Transit Use - Affected Employees

**Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.**

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	4	0	0	6	0	0	6	0	1	0
2	0	0	1	3	0	0	8	0	0	1
3	2	0	0	3	0	0	3	0	1	1
4	0	0	0	3	0	0	6	0	0	1
5	0	0	0	3	0	0	7	0	0	1
6	0	0	0	1	0	0	5	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	1	0	0	6	0	0	1
9	0	0	0	0	0	0	2	0	0	0
10	0	0	0	2	2	0	6	0	2	0
11 or more	0	0	0	1	0	0	2	0	0	0
# Of Employees using Transit	6	0	1	23	2	0	51	0	4	5
Total One-Way Transit Trips Per Week	10	0	2	102	20	0	297	0	24	22

## Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98001	6	2.05%	26	0	0	0	2	0	0	0	0	0	0	0	1
98002	2	0.68%	9	0	0	0	0	0	0	0	0	1	0	0	0
98003	7	2.40%	27	0	0	0	4	0	0	0	0	0	0	0	0
98004	2	0.68%	4	0	0	0	0	2	0	0	0	0	0	0	0
98005	2	0.68%	7	0	0	0	0	0	2	0	0	0	0	0	0
98006	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98007	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98009	1	0.34%	0	0	0	0	5	0	0	0	0	0	0	0	0
98010	1	0.34%	0	5	0	0	0	0	0	0	0	0	0	0	0
98011	1	0.34%	1	0	0	0	0	0	0	0	0	0	0	0	4
98012	4	1.37%	7	10	0	0	0	0	0	0	0	0	0	0	0
98019	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98020	1	0.34%	2	0	0	0	3	0	0	0	0	0	0	0	0
98021	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98022	2	0.68%	12	0	0	0	0	0	0	0	0	0	0	0	0
98023	14	4.79%	55	2	0	0	6	0	0	0	1	4	0	0	2
98026	1	0.34%	4	0	0	0	1	0	0	0	0	0	0	0	0
98027	3	1.03%	12	0	0	0	0	0	0	0	0	0	0	0	0
98028	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98029	1	0.34%	3	0	0	0	0	0	0	0	0	0	0	0	0
98030	4	1.37%	13	4	0	0	1	0	0	0	1	0	0	0	0
98031	5	1.71%	21	0	0	0	2	0	0	0	0	0	0	0	0
98032	2	0.68%	10	0	0	0	0	0	0	0	0	0	0	0	0
98036	1	0.34%	2	0	3	0	0	0	0	0	0	0	0	0	0
98038	4	1.37%	20	0	0	0	0	0	0	0	1	0	0	0	0
98040	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0



98042	11	3.77%	48	5	0	0	0	0	0	0	1	0	0	0	0
98052	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98053	2	0.68%	8	0	0	0	0	0	0	0	1	1	0	0	0
98055	4	1.37%	12	7	0	0	0	0	0	0	0	0	0	0	0
98056	8	2.74%	23	5	0	5	5	0	0	0	0	0	0	0	0
98058	5	1.71%	21	0	0	0	0	0	0	0	0	0	0	0	0
98059	4	1.37%	15	0	0	0	0	0	0	0	0	0	0	0	0
98070	3	1.03%	7	0	0	0	0	0	0	0	0	0	10	0	0
98074	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98075	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98092	12	4.11%	41	0	0	0	5	9	0	0	0	0	0	0	0
98101	1	0.34%	0	0	0	0	0	0	0	0	0	0	0	0	1
98102	1	0.34%	0	0	0	0	4	1	0	0	0	0	0	0	0
98103	6	2.05%	19	0	0	0	0	5	0	0	0	0	0	0	0
98105	2	0.68%	10	0	0	0	0	0	0	0	0	0	0	0	0
98106	6	2.05%	16	2	0	0	3	0	0	0	0	0	0	0	0
98108	1	0.34%	3	0	0	0	0	2	0	0	0	0	0	0	0
98109	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98110	1	0.34%	0	0	0	0	0	5	0	0	0	0	0	0	0
98112	2	0.68%	4	3	0	0	0	0	0	0	1	0	0	0	0
98115	4	1.37%	20	0	0	0	0	0	0	0	0	0	0	0	0
98116	3	1.03%	13	0	0	0	2	0	0	0	0	0	0	0	0
98117	2	0.68%	6	0	0	0	0	5	0	0	0	0	0	0	0
98118	3	1.03%	12	1	0	0	0	0	0	0	1	1	0	0	0
98119	3	1.03%	9	0	0	0	1	4	1	0	0	0	0	0	0
98121	1	0.34%	4	0	0	0	0	0	0	0	0	0	0	0	0
98122	3	1.03%	9	0	0	0	0	5	0	0	0	1	0	0	0
98125	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98126	3	1.03%	10	0	0	0	5	0	0	0	0	0	0	0	0
98133	2	0.68%	10	0	0	0	0	0	0	0	0	0	0	0	0
98136	2	0.68%	2	0	0	0	6	0	0	0	0	0	0	0	0
98144	3	1.03%	6	0	0	0	0	9	0	0	0	0	0	0	0
98146	5	1.71%	23	0	0	0	2	0	1	0	0	0	0	0	0
98148	3	1.03%	10	0	0	0	5	0	0	0	0	0	0	0	0
98158	1	0.34%	4	0	0	0	0	0	0	0	0	0	0	0	0
98166	9	3.08%	34	0	0	3	0	0	1	0	0	1	0	0	0
98168	4	1.37%	12	8	0	0	0	0	0	0	0	0	0	0	0



98177	2	0.68%	8	0	0	0	0	0	0	0	0	0	0	0	0
98178	2	0.68%	10	0	0	0	0	0	0	0	0	0	0	0	0
98188	6	2.05%	18	6	0	0	4	0	0	0	0	1	0	0	0
98198	14	4.79%	67	0	0	0	0	0	0	0	0	0	0	0	0
98199	3	1.03%	12	3	0	0	0	0	0	0	0	0	0	0	0
98223	1	0.34%	4	0	0	0	0	0	0	0	1	0	0	0	0
98270	2	0.68%	5	7	0	0	0	0	0	0	0	0	0	0	0
98282	1	0.34%	0	2	0	0	0	0	0	0	0	0	0	0	0
98290	1	0.34%	0	7	0	0	0	0	0	0	0	0	0	0	0
98321	1	0.34%	4	0	0	0	0	0	0	0	0	0	0	0	0
98328	1	0.34%	7	0	0	0	0	0	0	0	0	0	0	0	0
98329	1	0.34%	0	2	0	0	0	0	0	0	0	0	0	0	0
98332	3	1.03%	10	0	0	1	1	0	0	0	0	0	0	0	0
98335	3	1.03%	14	0	0	0	0	0	0	0	1	0	0	0	0
98349	1	0.34%	0	0	0	0	3	0	0	0	0	0	0	0	0
98354	2	0.68%	8	2	0	0	0	0	0	0	0	0	0	0	0
98359	1	0.34%	0	0	0	0	0	0	0	0	0	0	0	5	0
98360	2	0.68%	0	6	4	0	0	0	0	0	0	0	0	0	0
98366	1	0.34%	0	0	0	0	0	0	0	0	0	0	0	0	6
98367	1	0.34%	3	0	0	0	0	0	0	0	0	0	0	2	0
98370	1	0.34%	3	0	0	0	0	0	0	0	1	0	1	0	0
98371	6	2.05%	18	1	0	0	8	4	0	0	0	0	0	0	0
98372	2	0.68%	8	0	0	0	0	0	0	0	0	0	0	0	0
98373	5	1.71%	16	5	0	3	0	0	0	0	0	0	0	0	0
98374	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98375	3	1.03%	6	0	0	0	5	0	0	0	1	0	0	0	0
98387	2	0.68%	6	0	0	0	4	0	0	0	0	0	0	0	0
98388	1	0.34%	2	0	0	0	3	0	0	0	0	0	0	0	0
98390	3	1.03%	5	0	0	0	0	10	0	0	0	0	0	0	0
98391	5	1.71%	13	7	0	0	0	0	0	0	0	0	0	0	0
98405	1	0.34%	2	0	0	0	3	0	0	0	0	0	0	0	0
98406	1	0.34%	0	0	0	0	5	0	0	0	0	0	0	0	0
98408	1	0.34%	5	0	0	0	0	0	0	0	0	0	0	0	0
98422	7	2.40%	22	0	0	6	3	0	0	0	0	0	0	0	0
98444	2	0.68%	10	0	0	0	0	0	0	0	0	0	0	0	0
98465	1	0.34%	0	0	0	0	5	0	0	0	0	0	0	0	0
98466	1	0.34%	3	0	0	0	0	0	0	0	0	0	0	0	0



<b>98467</b>	1	0.34%	1	0	0	0	4	0	0	0	0	0	0	0	0
<b>98498</b>	2	0.68%	5	0	0	0	5	0	0	0	0	0	0	0	0
<b>98499</b>	1	0.34%	6	0	0	0	0	0	0	0	0	0	0	0	0
<b>98580</b>	1	0.34%	4	0	0	0	0	0	0	0	0	0	0	0	0